

P. W. LITCHFIELD DELIVERS ALDRED TALK TO SENIORS

Large Audience Hears Lecture
By Prominent Goodyear
Executive

IS GRADUATE OF COURSE X

Stresses Importance of Health,
Efficiency, Team-work,
And Thrift

"What we need in industry is a sound mind is a sound body," said P. W. Litchfield '96 in delivering the first Aldred Lecture of this term on last Friday afternoon. Mr. Litchfield, vice-president of the Goodyear Tire and Rubber Company and also vice-president and general manager of The Goodyear Zeppelin Corporation, was introduced to the unusually large audience by President Stratton.

In the speaker's opinion, the Technology graduate should endeavor to secure employment in some industry in which he is interested, and with a firm which not only has good intentions to serve the public, but also the ability to carry out those intentions. From the business man's viewpoint, one's success in industry is determined by the amount of capital which he brings to industry. Capital, according to Mr. Litchfield's definition, is the savings of youth and labor applied to the business future, and is not necessarily money.

The five principle capital assets which youth is expected to bring into industry: are health, honesty and loyalty, efficiency, team work, and habits of thrift and saving. Health is dependent on heredity, education, and environment, and should be developed as much as possible during one's youth, and conserved for the later part of his life. Without honesty and loyalty, it is impossible to secure confidence, without confidence, opportunity is lacking, and this, according to the lecturer, is the greatest gift of industry. Efficiency is applied education, and is the ability to know what to do, how to do it best, and when to do it. Team work or co-operation involves an understanding of human nature; with it, one may become an executive, without it, one can

(Continued on Page 4)

SIGNUP CAMPAIGN FOR TECHNIQUE OPENS SOON

Will Open Contest Wednesday—
Studio Is To Return

The annual Technique sign-up campaign will get under way for this year the first week in February, when the sign-ups will be sold for \$1 and will be redeemed a month later for \$2.50 with this year's issue of Technique. Without the sign-ups the year book will cost \$4.50, while with the sign-up the book will cost \$3.50. The last day for redeeming the sign-ups will be March 31. After that date all sign-ups will be declared void.

A contest, the nature of which cannot be divulged because plans have not been completed, will be launched by Technique next Wednesday. The managing board at a recent meeting voted to hold a contest that would interest both students, faculty, and alumni, but will not make the purpose known until next week.

This year's issue will be of especial interest because of the water-color drawings to be included in the book, these drawings have been painted by students in Rogers. These paintings are at present in an exhibition at Rogers.

The studio will return to the Institute for a brief three days the week after next to take a series of group pictures and to give all seniors, who at the present time have not made their choice of proofs, an opportunity to make selections.

Class Room and Laboratory Exercises scheduled for the 9-10 hour on Saturday, January 24th, will be omitted to afford opportunity to view the eclipse. Exercises scheduled after 10 o'clock on that date will be held at usual.

PHYSICS SEMINAR TO HEAR TALK ON GASES

Professor Deybe will speak on "Recent Research on the Diamagnetic Susceptibility of Gases," at the next meeting of the Physics Seminar on January 20th at 3 o'clock in room 4-231. He will discuss the recent experiments carried out by Glaser in the laboratory of Professor W. Wien in Munich. According to Glaser the diamagnetic susceptibility of gases is proportional to the pressure only for small and great pressures. In the domain of transition between these pressures the coefficient of proportionality drops in the ratio of nearly three to one.

He will also give a possible explanation of this behavior in connection with the viewpoint that for small pressures we may have a quantum effect of orientation, which at higher pressures will be disturbed by the action of the intermolecular forces.

OFFER CONCERT AS TECH NIGHT PLAN

Head of Musical Clubs Suggests
Winter Concert in Place
Of Theatre Party

H. C. Hoar '25, General Manager of the Combined Musical Clubs, has recently suggested a new conception of the Winter Concert to be given by the clubs on Friday evening, January 23, at the Hotel Somerset. He comes along with a suggestion regarding our Tech Night problem, which has been so freely discussed during the past year, to the effect that since the Winter Concert is usually the most important social event in undergraduate life at Technology, he sees no reason why the event could not be adopted by the undergraduates as a substitute for the annual event abolished last year.

In making such a proposal to those interested in a custom of the nature of Tech Night, Hoar states that the plan of substituting the Winter Concert would eliminate the danger of a recurrence of such outrages as brought about the end of the traditional Tech Night. Just how his suggestion will suit the public taste is a matter of as much uncertainty as attended the many previous proposals which have been offered regarding the annual get-together.

The sale of sign-ups for the Winter concert is officially over today but the management of the clubs has announced

(Continued on page 4)

Additions Made To Exhibits In Marine Museum

Visitors to the Marine Museum in building 5 will find a new arrangement of exhibits. The Institute has furnished glass cases for the protection and better exhibition of the government battleship models. Another picture has been donated by Wm. H. Lincoln, a member of the corporation.

The battleship models represent the development from the sailing ships, the Monitor and the Merrimac, to the modern fighting vessel. These models were loaned to the Institute; the loan being renewed each year. There are, in addition, two steamship models owned by the Institute, one of them being the Victoria Louise, a German liner.

The picture which Mr. Lincoln gave is the harbor of Shanghai as it appeared one hundred years ago, painted by a Chinese artist. Captain Elliot Snow said: "I hope that someone will donate a correspondingly artistic picture for the panel opposite." He stated that there will be certain improvements made shortly, the details of which will be given later. Airplane models may be added, and a collection of navigational instruments also.

A book of sketches of the Institute, a souvenir program of the Technology Dedication reunion of 1916, and description of the Departments and Clark Collection pamphlets have been sent to the Commandants of the Naval Districts, the Superintendent of Navigation, the officer who is soon to succeed him, and to the Chief of Bureaus at Washington.

This publicity material of the Institute is sent with the hope that the value of the Institute to the navy might be more fully understood and that a course for training reserve officers of the navy might soon be instituted.

TELLS FIRST YEAR MEN THE STORY OF INSTITUTE GROWTH

Dean Relates the Lives of Three
Former Presidents of
Technology

TALK IS FIRST OF SERIES

Institute's Success Due to Great
Men Who Have Headed
It, Says Dean

At the first of the talks to freshmen to be given each Thursday this term in order to acquaint them with the main facts and traditions of the Institute, Dean H. P. Talbot '85 spoke on the history of its founding and remarkable growth. He based his talk on the lives of three of its presidents, William Barton Rogers, Francis Amasa Walker, and Richard Cockburn MacLaurin.

It was the first of these, President Rogers, who conceived the idea of founding an institution of this sort in Boston, and it is to him, the generosity of a few friends, and a faithful and devoted Faculty that the Institute owes its existence through the trying years from 1870-1880. The Institute was particularly fortunate in having as members of its Faculty at this time men so self-sacrificing and devoted to its interests.

Institute Crosses River

During the administration of General Walker, who succeeded President Rogers, the Institute grew from a small technical school to a great institution. The next great President was Dr. MacLaurin, who directed so successfully the removal of the Institute from its home on Boylston Street to its present location and it was he who was in a large part responsible for the gifts made towards the endowment fund and the erection of the present buildings. Mr. Eastman's great admiration for Dr. MacLaurin led him to make his first gift to the Institute. The great executive ability of Dr. MacLaurin was attested by the fact that the various departments of the school functioned within one per cent as had been planned when it opened for the first time in its present buildings.

During his talk, the Dean explained that contrary to general opinion among the students, the Faculty is not the cause of much for which it is blamed or given credit for. The government of the Institute is in the hands of the Corporation which is represented here by an Executive Committee of nine members.

At the end of his talk, the Dean spoke a little on the tradition of student government in the Institute and on the participation of students in activities. He said that student government had been in every way a success and that save in one instance, to his knowledge there is no record of intervention in student activities by authorities in the school and that he saw now no reason why there should be. In this connection he praised the work of Glen Bateman '25, president of the Senior class and of the Institute Committee, and others from the student body

(Continued on Page 2)

"Earth Is Compressible," Dr. Daly Declares At Last Lowell Lecture

"The point I want to fix your attention on tonight concerning the deep interior of the earth, is the compressibility," stated Dr. R. A. Daly of Harvard, in the Lowell Lecture last Thursday night on "Our Mobile Earth."

"The earth is compressible," continued Professor Daly. "Suppose that you put a mile of granite all over the earth, everywhere. The earth is so compressible that that mile of granite would sink two thirds of its depth towards the earth's center, and if you took a mile of granite off the earth, it would expand. Underneath the 30 mile crust we have hot glass. It is a weak thing. It is not strong. It is like pitch, and because it is glass its density is less than that of the crust."

During the lecture Dr. Daly exhibited with the aid of the stereopticon several striking photographs to illustrate the subject. Turning to Yellowstone Park he said that the 4000 miles of lava called rhyolite, appear to represent a single grade example.

Engineer Hockey Team Holds Army Sextet To 1-1 Tie at West Point

Thiebaud, Army Forward, Ties Count in Second Period
After Randall Puts Tech in Lead—Condition
Of Ice Prevents Overtime Play

Technology's hockey team held the strong West Point sextet to a 1-1 tie at West Point Saturday. The conditions of the ice were so poor that both teams deemed an extra period inadvisable and the game was called at the end of the allotted time limit. The engineers displayed a better brand of hockey than they have shown in their other games during the season. The defense was particularly strong and good work on the part of Deignan in front of the net and Berkeley and Zubrinski in defense positions proved a strong bulwark to the aggressive onslaught of the Army forwards.

ANNOUNCE WINNING BOIT PRIZE ESSAYS

Awards Made Saturday to Three
Members of Sophomore
Class

The Boit prizes in Sophomore English were awarded at the English lectures last Saturday, by Professor Rogers and Professor Pearson. Two of the winners, and also one man who received honorable mention came from the Option course in literature; one winner was taking the regular course in political thought.

C. T. Barker, Course X, of Haverhill received a prize for a theme on the subject "Is it ever right to deceive?" an imitation of the Socratic dialogue. J. B. Blake, Jr., Course XIII, of Boston, was awarded a prize for a review of the book and of a dramatic performance of the play "Saint Joan." G. I. Chatfield, Course XV, of Minneapolis, won a prize with an essay on "The hope of the world." Honorable mention was given to G. P. Standley, Course V, of Beverly, for a theme on "Socrates."

"All the themes were extraordinarily good," declared Professor D. S. Tucker, who made the final decision on themes. Professor H. G. Pearson and H. L. Seaver did the preliminary "weeding out."

The Boit prizes are awarded, three each term, for the best work done in the regular courses in Sophomore English. The prizes are \$25 each and are awarded from a fund left for the purpose by Robert A. Boit in 1921.

CONCERT TO BE GIVEN BY SINGERS ON FRIDAY

A joint concert of the class in choral singing with a mixed chorus from the studio of S. S. Townsend will be held in room 5-330 at 5:30 o'clock next Friday. All students are invited to attend and bring their friends.

The concert will be of folk songs, which the class has been studying. The chorus will sing the Christmas Oratorio by Saint-Saens. Reginald Boardman will play a pianoforte accompaniment.

Captain Niles and Randall on the engineer forward line were aggressive players, clever stick work on the part of Lewis, the army goalie, alone stopping the game from going to the Technology team. Center Morton of Technology unearthed several pretty shots for the goal in the course of the game.

With a pretty shot that the army goal tender was unable to divert from the net, Randall put the Beavers in the lead in an early period. The score was tied by Thiebaud in the second period. No further scoring was made during the game by either side, the final bell finding the teams deadlocked in a 1-1 tie.

The contest was resplendent with a number of clever plays by both the engineer and army players, but the poor condition of the ice surface proved a serious handicap to the skaters. There were spills aplenty, sheer luck alone saving the men from bad injuries.

Both teams played an extraordinarily clean game, there being no penalties for either outfit. Technology was very greatly improved in the combination play and in the defense, which Coach Wiggett has been stressing in the early morning practices at the Arena during the past week.

The puckchasers returned this morning after having played at Briarcliffe Lodge, New York. Coach Wiggett expects to give the men stiff workouts in preparation for their second meeting with the Boston University sextet Wednesday on the arena surface. According to Captain Niles, the team is working hard to win this game in an effort to decide the 3-3 tie which two overtime periods were unable to alter when the Engineers and B. U. met at the Arena last December.

(Continued on page 4)

WALKER CROWDED WITH DORM DANCERS FRIDAY

Stags Appear Despite Abolition
Of Stag Tickets

Walker was quite well filled last Friday evening with those attending the first informal Dorm dance of the term. Music was by Billy Lossez's orchestra. The affair was supposed to be non-stag, but by the latter part of the evening a sufficient number had filtered in by hook or crook, so that things were soon circulating properly.

Dance orders were distributed to the couples as they arrived and a great number adhered to their programs, although as is the case with most dances of any kind, the cutting in and other irregularities in the program caused more or less neglect of the fixed schedules of dances. There were twelve dances on the program.

A slight error concerning the dance was made in a previous issue of THE TECH. It was stated that E. F. Knight '26 of the Junior Prom committee would direct the Dorm dance and that each of the members of the Prom committee would direct one dance. The statement should have read that each of the members of the Dorm Committee would have charge of one dance.

CALENDAR

Monday, January 19
5:00—Pistol Club, room 10-267.
8:00—Math. Club, committee room, Walker.
2:30—Technology Dames meeting, Emma Rogers' Room.
Thursday, January 22
8:00—Talk on Electric Power Transmission.
11:55—Freshman Rifle Team, room 4-131.
Friday, January 23
1:30—Chem. Soc. trip.
4:30—Choral Singing, room 5-330.
5:00—Sedgwick Lecture, Huntington Hall.
8:00—Winter Concert and Dance, Hotel Somerset.

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Official News
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Undergraduates
of Technology

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In Charge of This Issue:

H. F. Howard '26

WHY NOT A SWIMMING POOL?

THE results of the swimming team's meet with Yale Friday bring back with more force than ever the long-realized need for a swimming pool at the Institute. At present the team has to practice in the Y. M. C. A. pool, on Huntington Avenue.

This makes it necessary for the swimmers to confine their practice to a certain hour only each day, so that they cannot take advantage of a free hour during the day to practice, as track men can. The distance of the "Y" from the Institute also prevents their doing this, and makes it inconvenient for many men, particularly those living out of town, to get to practice. The inevitable result is that a large number cannot practice often enough, and a good many who otherwise would come out for the team are prevented from doing so.

Besides being a tremendous boon to the swimming team, a pool would mean almost as much to the rest of the Institute. It would offer a splendid opportunity for the average student to obtain essential exercise, in one of the most enjoyable, as well as the most concentrated, forms. There are hundreds of students, not out for athletics, to whom an ordinary gym makes no appeal whatever, but who would jump at the chance to have a swim every day.

Within the past year the Institute has acquired a large amount of new land, and has been the recipient of Mr. Eastman's great gift. The uses to which these must be put are many, and the disposal of them cannot be made at a moment's notice. However, it is all too obvious that the need for a swimming pool is a very real one, and it certainly should be considered together with the other demands which look for satisfaction from the Institute's new properties.

PREPAREDNESS FOR PEACE

ANOTHER University has joined the ranks of the preparedness Army. Nebraska University has made drill compulsory for all men students. We welcome this new arrival into the militaristic circle of Military Science and Tactics. May others follow!

The head of Nebraska, feeling a moral obligation to help the Government from which his institution received a land grant, changed drill from an elective to a requirement. If more people would see the wisdom of preparing for war, we should have less wars and rumors of wars. We admit that it may seem a bit annoying to turn out in uniform several times a week, but it is far better than having a scrap on our hands. It is true that the addition of one more college to the evergrowing number of R. O. T. C. institutions will not actually prevent another war, but at least it will help.

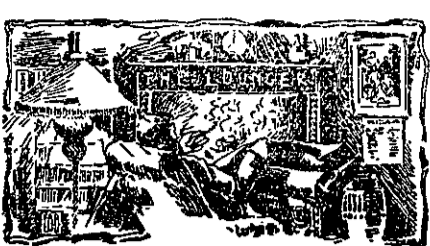
AS A MAN READS

A RECENT survey at Columbia by the undergraduate paper showed that students there read more than twice as many cheap fiction magazines as any other kind of publication. "True Story," "Snappy Story" and other magazines of this type are brought in much larger numbers than the magazines that attempt to hold to a high literary standard.

To the scandal-mongers and anti-collegiate-super-prudes this news is a delectable tidbit. It bares the college mind and reveals its soul. It furnishes just the exact state of mind to place in one of those curious things that John Held draws as a caricature of the college man. The two together complete the brute, from and spirit.

The psychologists have hit upon the happy phrase, "literature of escape" to explain this situation. Whereupon the cynic remarks that the students are certainly attempting to escape at a galloping rate. Or it might be explained as an outcome of prohibition. "Captain Billy's Whizzbang" takes the place of a cocktail in an effort to break the dull monotony. Or more accurately it may be explained as an attribute of human nature. There are few who become so sophisticated that they cannot secretly enjoy a bit of melodramatic walla-walla.

We are quite sure that Columbia is not alone in having such a situation. Long ago it was observed that the scholarly Tech man was clandestinely indulging in reading matter of not quite as heavy or moral nature as a treatise on thermodynamics or the like. The point is that the situation is not condemning. It simply furnishes an interesting comment on human nature. People who think at all, however, know that there is more to college life than its side show fandangoes of gin and sex jamborees. Yes, and "Snappy Stories" is but a side show in reading.



Holy jumping, blue whiskered Santa Claus, but some men can pick ungodly colors for fur coats! The most terrible one that has come to the Lounger's attention was of a nauseating pinkish shade. It did not look unlike what one might imagine Otto Grow's "wild whiffius" would be cursed with—the sort of color the dragons are in nightmares resulting from too much lobster Newburg. The coat under discussion was probably made from rare South American pink foxes or other animals of the sort, and was probably valuable, but it grated upon the Lounger's nerves so much that he requests the owner to have it dyed at the first opportunity to a conservative black such as the Lounger wears. The Lounger's fur coat may be bear, or it may be dyed collie for all he knows, but at least its color does not jump out and bite at passers-by!

This Economics course that is being taught at the 'Stute this term contains the darndest lot of miscellaneous and uncorrelated information imaginable. In one day, a class was informed that there were more women than men in Massachusetts, that there were too many holidays in Europe, that Labor Unions were a good thing, and that the present generation of hoboes is degenerating so that its members will no longer bum their way across the continent for the winter because it is too much like work to jump trains. This may all be true, but the Lounger would like to know just what it all proves. Some one please explain!

One of the profs in the Civil Engineering department seems to have a pretty good idea of how much his pupils are learning under him. He told his class the other day that the degree of B. S. meant to the average employer, looking over newly graduated college men, "Babes in Science." This causes the Lounger to shed bitter tears and wonder why he is working his fool head off to get this damning degree.

The Institute has long had a reputation for turning out men who could invent contrivances for saving time and labor. The Lounger has a marvelous idea up his sleeve, but hesitates to reveal it, lest he too, be turned out. For the benefit of all concerned, however, he will let out his hunch, trusting to luck that he does not get the royal bounce as a result. This, then, is the idea: Why not have shine boys and manicures whose duty it shall be to go around from man to man during lectures. This is a remarkable opening for alert and ambitious youths. Think how much better an appearance would be presented by the brownbaggers, and of the money the bootblacks would rake in. The manicurists might be the coeds who win the Voo Doo Beauty Contest. Snappy idea, no?

If the fellows who eat their lunches in the locker rooms don't soon stop tossing paper around the floors, it will be next to impossible for a man to wade through to his locker. If they must eat their food there, let them clear up afterward. The poor janitors can't tend to everything at once. The janitorial force is so busy during the day erasing blackboards that the locker rooms are not swept up until late in the afternoon, as a general rule. From lunch time until then the Lounger like everybody else, has had to clamber over several cubic yards of waxed paper. It helps to make the 'Stute so attractive!

The Lounger, a long-suffering cuss where telephone calls are concerned, had a new and novel experience last Friday. He was calling University 70 or something or other, but made a mistake and said 90—, catching up his mistake in the military manner by saying "As you were, 70—" After a long pause, the operator came back with "I can't find any As-you-were exchange. Where is it?" Top notch service, what?

Play Directory

COLONIAL: Earl Carroll's Vanities. Appropriately named. Last week.
COPLEY: "The Dover Road." A Milne comedy.
HOLLIS: "The Rivals." Brilliant revival of a brilliant comedy. Last week.
MAJESTIC: "The Dutch Girl." A musical comedy, opening Thursday evening.
PLYMOUTH: "Cobra." Snaky is no word for it. Last week.
ST. JAMES: "Cock o' the Roost." At the Plymouth last season as "The Rabbit's Foot."
SELWYN: "White Cargo." Leon Gordon's play, in which he has the principal role.
SHUBERT: "Greenwich Village Follies." Boston debut tonight.
WILBUR: "The Wife Hunter." New comedy, opening tonight.
TREMONT: "Be Yourself." Musical comedy, nothing extra.

THE TOTAL ECLIPSE OF JANUARY 24

By Professor G. L. Hosmer
Civil Engineering Department

The total eclipse of January 24 offers the opportunity of a lifetime for the New Englander to see this phenomenon without depleting his pocket book. Eclipses occur frequently but they have a way of striking at distant spots which eliminates most of us from the party. Only the confirmed eclipse hunter is likely to see many of them. But location is not the only consideration. In visiting the eclipse belt we are gambling that at a specified minute the sky will be clear, a more desperate chance than most of us would care to take on ordinary occasions.

The belt in which this eclipse will be visible as a total eclipse is central along a line through New Haven and Montauk Point. The northern limit passes nearly through Springfield and Providence; the southern limit is nearly parallel to it and passes through northern New York City.

At New Haven the predicted times of the four contacts are 8:01:05, 9:11:48, 9:13:49, and 10:31:35 Railroad Time. The duration of totality is therefore

about two minutes, occurring a little after 9 o'clock. At places nearer the edge of the belt the duration will be less; the times will of course vary a little in different places.

The corona, seen only during a total eclipse, and the solar prominences near the edge of the disc, are the most interesting features. Just before totality those who are well situated will naturally look for the moon's shadow. If the observer is at an elevated station he will be able to see the approaching shadow on hills to the west. Several of the planets will be in a favorable position to be seen during totality.

Just outside the track the eclipse will be visible as a partial eclipse. This is not such a striking phenomenon but it is interesting because the darkness will be noticeable. The small remaining crescent of the sun may be observed through smoked glass. The images of the sun formed by light passing through any small openings will be crescent shaped instead of circular as they are normally.

H. C. LYTGOE '96
SPEAKS AT LUNCH

Relates Experiences At Second Meeting of Chemical Society

"Chemists must learn to sell their services," said H. C. Lythgoe '96, in speaking before the members of the Chemical Society at a luncheon in north hall last Friday noon. Mr. Lythgoe, a graduate of Course V, is director of the Food and Drug Division of the Massachusetts State Department of Health.

Stressing the importance of being able to understand the business man's art of making money, the speaker advised the men to get into some business club when they graduated, in order that they might become better acquainted with the industrial leaders' methods. According to Mr. Lythgoe, the ordinary business man knows little else than how to make money. Some information regarding this faculty, together with his scientific training, would place the chemist at a decided advantage.

Ford Inspection Varies

The general time of food inspection usually varies from year to year. At one time the inspection of canned goods for preservatives which violated the pure food law occupied a large part of the department's time, but most of the violators were finally prosecuted and today few cases of this type come to the attention of the state department. Milk inspection continues to occupy considerable of the department inspectors' time. The speaker also outlined the procedure employed in taking court action against violators of the pure food laws, emphasizing the fact that the complainant to the department must always be willing to appear in court if the charges are to be investigated legally.

Mr. Lythgoe expressed the opinion that there was a great opportunity for graduates of the Institute who desire to enter the inspection department of his division.

T. C. A. HOLDS TICKETS
FOR WEEK END DANCES

Work on 1925 Handbook Started Earlier Than Usual

W. D. Birch '27, manager of the social division of the Christian Association, announces that there will be available each week at the office of the Christian Association 18 tickets for the Chimney Corner dances at the Girls' City Club on Friday nights and 20 tickets for the Blue Triangle dances given under the auspices of the Y. W. C. A. on Saturday nights. A charge of 40 cents is made by the Girls' City Club for tickets to its dances, and a charge of 35 cents by the Y. W. C. A. These dances have been well run and many men at the Institute availed themselves of the opportunity to attend them last term.

According to Sydney Gerber '27, business manager of the 1925 Handbook, work on this publication is well under way. Whereas last year at this time nothing had been done on the work of editing the last Handbook, this year ads worth \$300 have been solicited already. This has been done by starting the campaign last term, much earlier than usual. There are still several important positions on the business and editorial staffs to be filled by members of the freshmen and Sophomore classes. Candidates for these positions are asked to consult representatives of the Handbook at the office of the Christian Association Friday from 4 to 6.

ANTARCTIC EXPLORER
TO LECTURE THURSDAY

Professor William Hovgaard To Introduce Speaker

Captain Roald Amundsen, arctic and antarctic explorer and discoverer of the South Pole, will lecture on "The First Circumnavigation of the North Polar Basin" in Symphony Hall on Thursday evening at 8:15.

Professor William Hovgaard of the Department of Naval Architecture and Marine Engineering will introduce the lecturer. Professor Hovgaard, a graduate of the Naval Academy of Copenhagen and the Greenwich Royal Naval College, was formerly a Commander in the Danish Navy. He is also author of "Voyages of the Norsemen," the latest work on the Norse discovery of America in the 11th century.

Captain Amundsen, considered one of the greatest living explorers, graduated with honors at the Christiania University, but abandoned all ideas of entering a profession and went to sea. After spending 14 years in various ice and deep sea navigation expeditions, he succeeded in planting the Norwegian flag at the South Pole in 1911. His most recent expeditions have been around the North Pole regions, and in July he is planning to cross the North Pole in an airplane, flying from Spitzbergen to Point Barrow, a distance of 1,800 miles.

DEAN GIVES TALK ON
HISTORY OF INSTITUTE

(Continued from Page 1)

who have difficult jobs on their hands and who are doing them well.

In closing Dr. Talbot said there seemed to be considerable apathy among the students as regards activities and that he did not want them to get the idea that either he or the Faculty disapproved of participation in activities. The speaker next Thursday will be J. P. Monroe, a member of the Corporation and a man greatly interested in the Institute. He will talk on Boston and what it can mean to us.

The FENWAY
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"MISS BLUEBEARD"

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ENGINEER SWIMMING TEAM DROPS MEET TO YALE

Runners Travel Fast In Time Trials Saturday To Pick Relay Team

Mermen Clip Previous Records But Are Still Too Slow For Bulldog

Eli Swimmers Take First Place in Every Event—Woods In Fancy Dive, Secures the Only Second Place for Technology

Yale won an easy victory over the Beaver swimming team at New Haven Friday night. It was another case of a team that was completely outclassed going down fighting before a formidable opponent. Though the Institute swimmers went down to defeat, there were several fine performances turned in by them during the evening. Woods when he finished second in the fancy dive showed excellent form, while Johnson in placing third in the backstroke cut a couple of seconds off his fastest previous performance.

The outstanding performance of the evening, however, was the swimming of Bronson, star of the Yale team. Bronson fairly ran away from Kwai, his team mate and Weis, of Technology, in winning the 100 yard swim in the exceptionally fast time of 56 seconds. He also swam on the relay which left the Beaver team about 15 yards in its wake. Weis swam a good race in the 100, but he was completely outclassed by such a star as Bronson. Even Kwai swimming a fine race did not stand a show against the pace set by his team mate.

50 Yard Swim Fast
The 220 yard swim ended in almost a dead heat between the two Yale entries, Marshall and Hopkins. Weis did not have much of a chance of winning this event, as the Yale mermen were setting a much faster pace than he has been accustomed to.

Woods' exceptionally fine work in the dives brought the Institute tankmen the only second place that they were able to win. At the conclusion of the event, it was found that the judges were practically evenly divided as to who won first place. After a short discussion, first was given to Bixler of Yale. Joyce, the other Yale entry was awarded third place over Higgins of Technology. Higgins' form was very slightly below the Yale man, and it was almost as hard to decide here as it was in the first two places.

The 50 yard swim found Armstrong left at the gun. The starter used a system that Armstrong was not used to, so that he did not get away with the Yale entries. This handicap was just enough to squeeze him out of second place as he lost out by only a foot.

The backstroke found Johnson as the leading Technology entry, and he turned in the fastest performance that he has as yet made. This was not fast enough to defeat the two fast Yale entries, Lydgate and Mason. Johnson did this event in 1:20 seconds, which is quite a few seconds faster than his best previous time. The breast stroke came out as predicted. The Technology entries were simply outclassed by Talia-

ferro and Reel. The most interesting part of the event was the fight for third place by Captain Bill Walworth and Kerns, with Walworth winning out.

This meet gave Yale permanent possession of the Shevlin Cup, which is put up each year for the annual dual meet between Technology and Yale.

The summary:
Fifty-yard swim—Won by Sauers, Yale! Choate, Yale, second; Armstrong, Tech. Time—26s.

Two hundred and twenty-yard swim—Won by Marshall, Yale; Hopkins, Yale, second; Weis, Tech third. Time—2m. 44.5s.

Fancy dive—Won by Bixler, Yale; Woods, Tech, second; Joyce, Yale, third.

One hundred-yard backstroke—Won by Lydgate, Yale; Mason, Yale, second; Johnson, Tech, third.

One hundred-yard breaststroke—Won by Taliaferro, Yale; Reel, Yale, second, Walworth, Tech, third. Time—1m. 17s.

One hundred-yard swim—Won by Bronson, Yale; Wwai, Yale, second; Weeks, Tech, third. Time—56s.

Two hundred-yard relay race—Won by Yale. Time—1m. 45.1-5s. Winning team—Bronson, Peterson, Stage and Choate.

FROSH QUINTET DROPS GAME TO DEAN ACADEMY

Dean Academy defeated the Technology freshman basketball team 40 to 27 at Franklin Saturday. Lewin, Dean center who scored 26 of Dean's points was the individual star of the game. Bianchi and Mock led the scoring for the engineer frosh.

M.I.T. 28		DEAN	
Cohen, l.f.	r.g., Casey (Skinner)		
Bianchi, r.f.	l.g., Joary (Durn)		
Mock (Proctor), c.	c., Lewin		
Bell, l.g.	r.f., Dunn (Mahoney)		
Estes, Capt. (Bell), r.g.	l.f., Nay		
	(Labell, Kunard)		

Score—Dean Academy 40, M.I.T. 28, 27. Goals from floor—Bianchi 4, Mock 3, Bell 2, Cohen, Mahoney, Lewin 13, Casey, Skinner, Durn. Goals on free tries—Mock 3, Bianchi 2, Cohen 2, Mahoney 3, Labell, Skinner, Durn. Time—20 min. periods.

Engineer Basketball Team Drops Matches to Williams and Amherst

The engineer basketball team lost two games over the week end, one to Williams at Williamstown on Friday and the other to Amherst Saturday. The defeat at the hands of Williams was less decisive, the score being 30 to 25. The score at Amherst was 38 to 25.

Bill Forrester, playing left forward, starred for the engineer team in both games. Seven goals from the floor and three on free tries accounted for 17 of the 25 points in the Amherst game, and nine points was his contribution in the match with Williams Friday.

Williams by defeating Technology scored its fifth successive victory of the season. The Brown brothers, H. Brown playing left forward and A. Brown in right forward position were too aggressive for Ingram and Captain Eager, the engineer guards. Both teams were compelled to resort to long shots, the Purple meeting with better success in this feature of the game than did the visiting team. Williams established its lead in an early period and maintained it throughout the game. Williams led at half time, the score was 14 to 12.

In the Amherst game the excellence of Forrester's play in scoring seven baskets for Technology was seemingly belittled by W. Kyle, Amherst forward, who chalked up a sum total of nine baskets for the Amherst delegation.

The game at Amherst was much faster than the one of the night before, the home delegation noticeably outplaying the engineer quintet in this phase of the game. At the end of the first half Amherst had

only a four point lead over Technology, the score being 21 to 17. Amherst uncovered a fast passing game in the last minutes of play. W. Kyle, C. Kyle and Smith contributing the points that won the game. The summaries:

WILLIAMS		M.I.T.	
H. Brown, l.f.	r.g., Eager		
A. Brown (Bogart), r.f.	l.g., Ingram		
Zinn (Prayn), c.	c., Wilcox		
Morgan, l.g.	r.f., Forrester		
Wright, r.g.	l.f., Hinck		

Score—Williams 30, M.I.T. 25. Goals from floor—Forrester 4, Wilcox 3, Ingram 2, Hinck, H. Brown 5, Zinn 3, A. Brown 2, Wright 2. Goal on free tries—Wilcox 2. (Hinck, Forrester, Eager, H. Brown 4, Wright, Bogart.

AMHERST		M.I.T.	
W. Kyle (Millard), l.f.	r.g., Eager (Caine)		
C. Kyle (Black, Miller), r.f.	l.g., Ingram		
Smith (McBride), c.	c., Wilcox, Capt.		
Fauber, l.g.	r.f., Forrester		
Walker (McBride), r.g.	l.f., Hinck (Simonds)		

Score—Amherst 38, M.I.T. 25. Goals from floor—Forrester 7, Wilcox 2, Hinck, W. Kyle 9, Smith 3, Black 2, C. Kyle, Walker, Millard, McBride. Goals on Free Tries—Forrester 3, Ingram, Eager, Smith, Fauber. Referee—Shea. Time—20 min. halves.

Yale Trips Beaver Wrestlers 24-3 In Contest Saturday

Coyle Scores Three Points For Technology by Decision in 115 Pound Class

Yale won an easy and decisive victory over the Technology wrestlers at New Haven Saturday night. The score was 24 to 3, the engineers coming off with a decision only in the 115 pound class. Although the Beaver wrestlers put up a stiff fight, thus making all of the bouts hotly contested, the Eli grapplers were plainly in far better condition than the Technology team.

Technology scored in only the 115 pound bout, Coyle of M. I. T. obtaining a decision over Bunnell of Yale with a time advantage of 2 minutes and 24 seconds. Coyle was on top of his man most of the time and had the upper hand throughout the largest part of the bout. Tryon of Technology fought a brilliant bout with Russell of Yale, a decision being granted to the Bulldog only after two overtime periods. Russell's time advantage was 5 minutes and 9 seconds.

Greer Loses By Decision

Yale scored two falls over their opponents. Drum, wrestling in the 145 pound class, was pinned to the mat by Captain Winters of Yale in the quick time of 2 minutes and 46 seconds. The hold used by the Eli grappler was a scissors and bar Nelson. Capra of Yale scored the second fall for his Alma Mater by defeating Cohen of Technology in 5 minutes and 23 seconds. This bout was more closely contested than the Drumm-Winters fracas and at times the Yale wrestler was plainly in danger. The fall was made by the use of the Bar Nelson.

Captain Greer of Technology lost to Thielands of Yale by a decision with a time advantage of 6 minutes and 4 seconds in the 158 pound class. In the 125 pound bout, Winnick of Yale repeated his last year's victory by scoring a victory over Kurtin of Technology by decision. His time advantage was 6 minutes and 45 seconds. Technology forfeited five points in the unlimited class, Burke of Tech having found it impossible to make the trip to New Haven.

The Yale wrestlers showed marked partiality towards the scissors hold, with a bar Nelson in favor. Technology's grapplers still stuck to the use of the wrist lock and the half Nelson which has served them well in the past. The summary:

One hundred and fifteen pound class—won by Coyle of M.I.T. over Bunnell of Yale, decision, time advantage, 2m. 24s.

One hundred and twenty-five pound class—won by Winnick of Yale over Kurtin of M. I. T., decision, time advantage 6m. 45s.

One hundred and thirty-five pound class—won by Capra of Yale over Cohen of M.I.T., fall, time 5m. 23s.

One hundred and forty-five pound class—won by Captain Winters of Yale over Drumm of M.I.T., fall, time 2m. 46s.

One hundred and fifty-eight pound class—won by Thielands of Yale over Captain Greer of M.I.T., decision, time advantage 6m. 4s.

One hundred and seventy-five pound class—won by Russell of Yale over Tryon of M.I.T., two overtime periods, time decision, time advantage 5m. 9s. Unlimited Class—forfeited to Yale.

FROSH GRAPPLERS LOSE TO BULLDOG

New Haven Team Secures Falls From Visitors in Three Classes

Technology '28 went down to defeat before the Yale freshman wrestlers at New Haven Saturday night. The score was 21 to 3. The engineer frosh scored a decision in the 135 pound class when Ogden of Technology won with a time advantage of 5 minutes and 2 seconds over Palmer of Yale.

One hundred and fifteen pound class—won by Bisson of Yale over Cullen of M.I.T., fall in extra period, 2m.

One hundred and twenty-five pound class—won by Saydah of Yale over Lockhart of M. I. T. with time advantage of 8 min., 33 sec.

One hundred and thirty-five pound class—won by Ogden of M.I.T. over Palmer of Yale, decision, time advantage of 5 min. 2 sec.

One hundred and forty-five pound class—won by Cornish of Yale over Flynn of M. I. T. with time advantage of 5 min. 8sec.

One hundred and fifty-eight pound class—won by Miller of Yale over Capt. Mattlage of M.I.T., fall, time 4 min. 7 sec.

One hundred and seventy-five pound class—won by Gray of Yale over Adler of M. I. T., fall, time 1 min. 52 sec.

Places On Relay Teams Are Hotly Contested On Boards By Runners

Leness, Bateman, Kauzman and Jeppe Strong Quartet For Relay

Saturday afternoon on the board track was a scene of feverish excitement for the time trials that determined the entries for the B. A. A. games and the line-up of the relay teams to run Wednesday against Harvard. Os Hedlund after taking the times of the runners all afternoon did not state definitely the makeup of the baton-squads, stating, "the times in the distances, especially the 440 yard relay that it will require the developments of both Monday and Tuesday's practice sessions to finally decide on the line-ups."

Mile Relay Hard to Pick

There will be five relay races for both the varsity and the frosh with Harvard. The 1-lap, 3-lap, 6-lap, 9-lap, and medley relays make up the afternoon program on the 12 lap to mile board oval. From the 1-lap results of varsity tryouts, it looks as if the four who will make up the team will be Capt. Chink Drew, Jack Weibe, Brownning and K. E. Smith. These men turned in mighty good times, although Os would not give out the exact reading of the stop-watch, preferring to keep such things in the dark in preparation for the big meet with the Crimson. Miller, Moggio and Baker-Carr turned in times about as fast as the varsity in the competition for the frosh event. Trials were also run in the 40 yard dash to determine the B. A. A. entries. Weibe ran away with the field in the final with Shippe and Smith following closely on his heels. According to cus-

tom Os also declined to have the times published in this event. The 6-lap event brought out some fine running on the part of Bailey, K. E. Smith, Burckes and Coolidge and everything points to the above four as the probable runners Wednesday. In the frosh event, R. S.

(Continued on Page 4)

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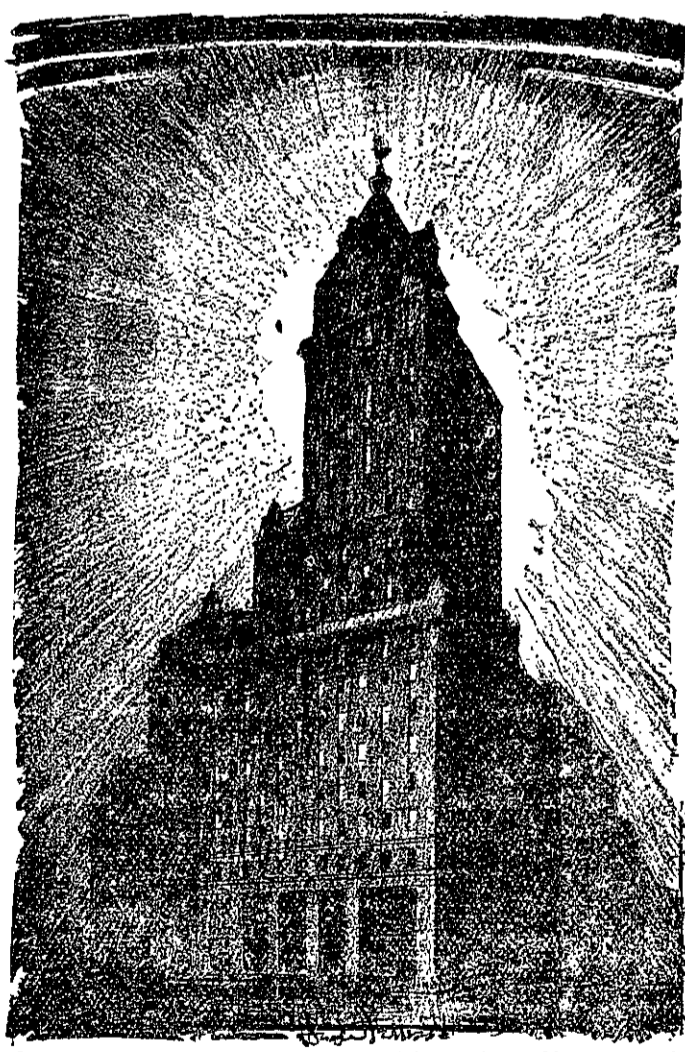
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Notices and Announcements

OFFICIAL

SEDGWICK LECTURE

A Sedgwick Memorial Lecture will be given by Professor W. J. V. Osterhout on "Some Fundamental Problems of Cellular Physiology," in Huntington Hall, January 23, at 5.

POWER TRANSMISSION LECTURE

Talk on Electric Power Transmission Thursday night at 8 o'clock in room 5-330 by R. D. Booth '20. All invited.

UNDERGRADUATE

COMPLIMENTARY TICKETS

The Social Division of the T. C. A. has received 10 complimentary stag tickets for the U. S. Veterans' Bureau dance Monday night, January 19, at the Music Box. Men desiring these may obtain same at the T. C. A. office.

CHORAL SINGING GS 58

A meeting will be held on Friday at 4:30 for a combined rehearsal with Mr. Townsend's mixed chorus, in room 5:330.

FRESHMAN RIFLE TEAM

Freshman rifle team members will meet in room 4-131 Thursday, at 11:55 o'clock to elect a captain.

SQUARE AND COMPASS DINNER

The Square and Compass Club will hold a dinner on Wednesday, January 23, at 5:45 p. m., in the Faculty Dining Room, Walker. There will be music entertainment, and an address. All members and Masons cordially invited.

WINTER CONCERT

The Winter Concert and Dance will be held in the Hotel Somerset at 8, Friday, January 23.

BOXING

All varsity men who have not turned in eligibility cards must do so at once. The coach will be at the hangar every afternoon next week.

MATH CLUB MEETING

Prof. P. Heymans will speak on "The Measurement of Small Intervals of Time" at the meeting of the Math Club at 8 o'clock this evening in the Committee Room, Walker. Anyone interested is invited to attend.

PISTOL CLUB

The Pistol Club meets today at 5 o'clock in room 10-267. All interested in pistol shooting are cordially invited to attend.

AERO ENGINEERING SOCIETY

Several positions are open on the managing board. There will be a light plane constructed to fly in the annual races. Members interested call at the office, room 3-312.

T. C. A. HANDBOOK

Competition for the business and editorial staffs is now open for freshmen and Sophomores. Candidates call at the T. C. A. office, Friday, 4 to 6.

CHEMICAL SOCIETY

A trip to the Hood Rubber Co. in Watertown will be held Friday, January 23, leaving at 1:30. Sign up on bulletin board.

WINTER CONCERT

Signups will be redeemed in main lobby in ticket booth from 12-2 every day this week. Obtain additional tickets there or from any of the management.

BOXING TEAM GIVES EXHIBITION BOUTS

Demonstrate Manly Art Before Members of Old Belfry Club

Several members of the boxing and wrestling teams gave some exhibition matches at the Old Belfry Club in Lexington on Saturday night. Capt. Chuck Kuhn and George Flynn of the 145 pound class, started off the series with a three round affair. The place roped off for the matches provided hardly any footing at all for the leather-pushers to work around the ring with any degree of speed, thus making them move slowly. Despite this handicap in footwork the men gave a fine showing of boxing in a hard-hitting match.

Following the boxing overture, Harris and Powers of the 135 pound class of the wrestling team put on a pretty match. Both went hard at it but at the time limit neither man had enough of a decided advantage to pick the winner. The boxers then took the center of attraction when Epstein and Kwak in the 125 pound class put on a snappy bout.

Matches Are Interesting

This time the ring was shifted to a small stage which was not so slippery and thus provided better surface for snappy footwork. Kwak is a member of last year's frosh team while Epstein is a newcomer in the sport. Both men looked good and from the results of the match it looks like Coach Rawson has a tough assignment when he starts to choose between these two boxers.

In the next event Conroy and Weston, two aspiring candidates for the 145 pound class of the freshman boxing team. Judging from the scrap put up by these two men, it looks like this year's yearling squad is going to provide some likely material for next year's varsity. Upon the conclusion of this match George Flynn appeared again. This time he took on Arias, a promising man in the 145 pound class who unfortunately is ineligible for the team.

Two wrestling matches in the 158 pound class followed. Cline took on Ward while Halliburton matched holds with Freeman. Although both the varsity and freshman teams were away at Yale these men looked mighty good for substitutes and put up a fine exhibition of grappling.

HOCKEY SEXTET HOLDS CADETS TO 1 TO 1 TIE

(Continued from Page 1)

M.I.T.	ARMY
Randall, l.w.	r.w., Thibaud (Daley)
Morton, c.	c., Herdner
Niles, Capt. (Weissner), r.w.	l.w., Maude
Zubinski, l.d.	r.d., Lovejoy (Daley, Westphal)
Berkeley, r.d.	l.d., Baird
Deignan, g.	g., Lewis

Score—M.I.T. 1, Army 1. Goals—Randall, Thibaud. Time—three 15 m. periods. Referee—MacPherson.

MUSICAL CLUBS PLAN BIG WINTER CONCERT

(Continued from Page 1)

that anyone desiring to purchase a sign-up after today may do so from any member of the clubs' management. Those who have already purchased sign-ups may have an opportunity to redeem the same for the charge of \$3.00 any day next week from 11 until 2 o'clock in the main lobby. It is further requested that all organizations desiring to reserve seats en masse for the affair make arrangements as soon as possible.

Among the specialty acts which have been playing with the clubs throughout their Fall schedule and which will render selections at the Winter Concert are the banjo duet comprising Raymond Mancha '26 and D. A. Shepard '26, and K. M. Peterson '28 who has been playing violin solos. The banjo duet which started last year with the clubs is already quite well known and has more or less taken the place of the Dippy Davy Duo.

RUNNERS TRAVEL FAST IN TRIALS SATURDAY

(Continued from Page 3)

Smith, Walsh and Holmes were the top-notchers.

In the 9-lap trials Preston, Rooney, Defazio and Holt turned in fairly good times. For the frosh team Os is kind of up against it for lack of men. Chute, the captain of the frosh cross country team is running the 440 thus leaving Hedlund away out at sea as to who to run in the 3 mile relay. About the most closely contested event of the afternoon was the mile relay positions. The varsity men were particularly fast.

ALDRED LECTURE GIVEN BY GOODYEAR OFFICIAL

(Continued from Page 1)

be only a specialist. The duties of an executive require him to have an understanding of men, and consist of being able to select, train, and retain the right men for the right positions. "Leaders lead, and do not drive," stressed Mr. Litchfield in summing up the proper qualifications for a successful executive. The habit of thrift and saving must be cultivated at an early age.

"Time is the most valuable thing in the world, and one only appreciates it as he gets older," continued the speaker. "It can not be replaced, and hence should not be wasted." Mr. Litchfield illustrated his views of man's limited usefulness in industry by a "cycle of life."

The latter part of the talk was devoted to a discussion of the development of transportation leading to its present status. As a measure of the difference in progress between the United States and China, the lecturer asserted that 50 per cent of the Chinese population is engaged in transportation, whereas in this country the number thus occupied reaches but 12 per cent.

In conclusion the Goodyear executive stated that he believed present-day highway transportation was gradually taking the place of railway and water transportation, and that in the future airway transportation would succeed both of these.

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* * *

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* * *

SEEING anything outside
* * *

OF their own realm?
* * *

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* * *

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* * *

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* * *

WITHOUT coming up for air?
* * *

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* * *

SHOW yourself—
* * *

FOR your own sake—come
* * *

OUT for an activity!
* * *

THE only way to get ahead
* * *

IS to use your own
* * *

FOR the BEST—come out
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